

Arlon 0.008" (0.2032 mm) Thermabond® E-35 Uncured Silicone (99730N008)

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Silicone , Silicone Elastomer, for Thermal Management

Material Notes:

0.008 in., ± 0.001 (0.2 mm, ± 0.03) uncured silicone on 0.003 in. (0.08 mm) nominal PTFE coated fiberglass; 0.001 in. (0.03 mm) FEP interleave; overall thickness 0.008 in ± 0.001 (0.2 mm ± 0.03). The shelf life is defined as the duration of time for which the product will meet the physical requirements outlined below. It does not guarantee the product's usefulness in all applications. Color: Gray. Weight: 739.1 g/m² ± 91.6 (21.8 oz./yd.² ± 2.7). Shelf Life: 3 months from date of manufacture at or below 21°C (70°F). Thermal Impedence is 0.4°C/W, ± 0.04 °C/W. Information provided by the manufacturer, Arlon Silicone Technologies Division.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-0008-02032-mm-Thermabond-E-35-Uncured-Silicone-99730N008.php

Mechanical Properties	Metric	English	Comments
Shear Modulus	0.000370 GPa	0.0537 ksi	
Adhesive Bond Strength	≥ 2.40 MPa	≥ 348 psi	lap shear strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	≥ 1.20 W/m-K	≥ 8.33 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-56.6 °C	-69.9 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	140 °C	284 °F	curing temp.

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